



BARBERMcMURRY  
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# Knoxville Science Museum

## Conceptual Design Preview

November 21, 2019

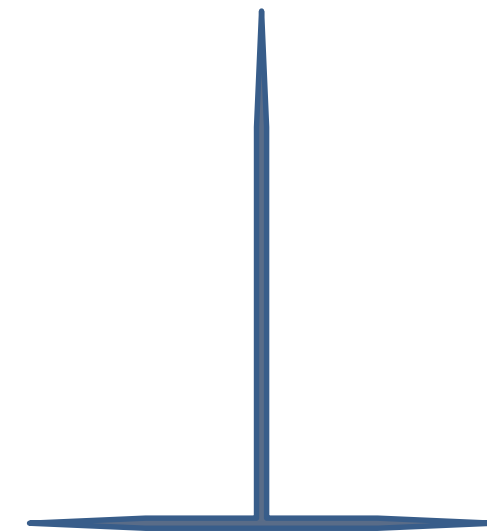
# Total Commitment

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***\$150 Million***

***Clayton Family Foundation***

***\$100 Million***  
***Facility + Exhibits***  
***Design & Build***



***\$50 Million***  
***Endowment for***  
***Operation***



# 43 Museums Visited





# 43 Museums Visited

1. *Adventure Science Center*
2. *American Museum of Science and Energy*
3. *Bay Area Discovery Museum*
4. *Bill and Melinda Gates Discovery Center*
5. *Boston Children's Museum*
- Top 10** 6. *California Academy of Sciences*
- Top 10** 7. *California Science Center*
8. *Carnegie Science Center*
9. *Center of Science and Industry (COSI)*
10. *Chattanooga Aquarium*
11. *Cleveland Natural History Museum*
12. *Connecticut Science Center*
13. *Denver Museum of Nature and Science*
- Top 10** 14. *Discovery Park of America*
- Top 10** 15. *Explora!*
- Top 10** 16. *Exploratorium*
17. *Franklin Institute*
18. *Frost Museum of Science*
19. *Great Lakes Science Center*
20. *Greensboro Science Center*
21. *Houston Museum of Natural Science*

*Nashville, TN*  
*Oak Ridge, TN*  
*San Francisco, CA*  
*Seattle, WA*  
*Boston, MA*  
*San Francisco, CA*  
*Los Angeles, CA*  
*Pittsburg, PA*  
*Columbus, OH*  
*Chattanooga, TN*  
*Cleveland, OH*  
*Hartford, CT*  
*Denver, CO*  
*Union City, TN*  
*Albuquerque, NM*  
*San Francisco, CA*  
*Philadelphia, PA*  
*Miami, FL*  
*Cleveland, OH*  
*Greensboro, NC*  
*Houston, TX*

# 43 Museums Visited

*22. Indianapolis Children's Museum*

*23. Kennedy Space Center*

*24. London Science Museum*

*25. Montreal Science Centre*

*26. McConnell Science Museum*

*27. Museum of Flight*

*28. Museum of Mathematics*

**Top 10** *29. Museum of Science*

**Top 10** *30. Museum of Science and Industry*

*31. Museum of Science and Industry*

*32. Museum of Discovery and Science*

**Top 10** *33. North Carolina Museum of Natural Sciences*

*34. North Carolina Museum of Life and Science*

*35. Orlando Science Center*

*36. Pacific Science Center*

**Top 10** *37. Perot Museum of Nature and Science*

*38. Reuben Fleet Science Center*

**Top 10** *39. Science Museum of Minnesota*

*40. Science Museum of Oklahoma*

*41. Scott Family Amazeum*

*42. Thinkery*

*43. Walking Mountain Science Center*

*Indianapolis, IN*

*Cape Canaveral, FL*

*London, England*

*Montreal, Canada*

*Grand Junction, CO*

*Seattle, WA*

*Manhattan, NY*

*Boston, MA*

*Chicago, IL*

*Tampa, FL*

*Ft. Lauderdale, FL*

*Raleigh, NC*

*Durham, NC*

*Orlando, FL*

*Seattle, WA*

*Dallas TX*

*San Diego, CA*

*Saint Paul, MN*

*Oklahoma City, OK*

*Bentonville, AR*

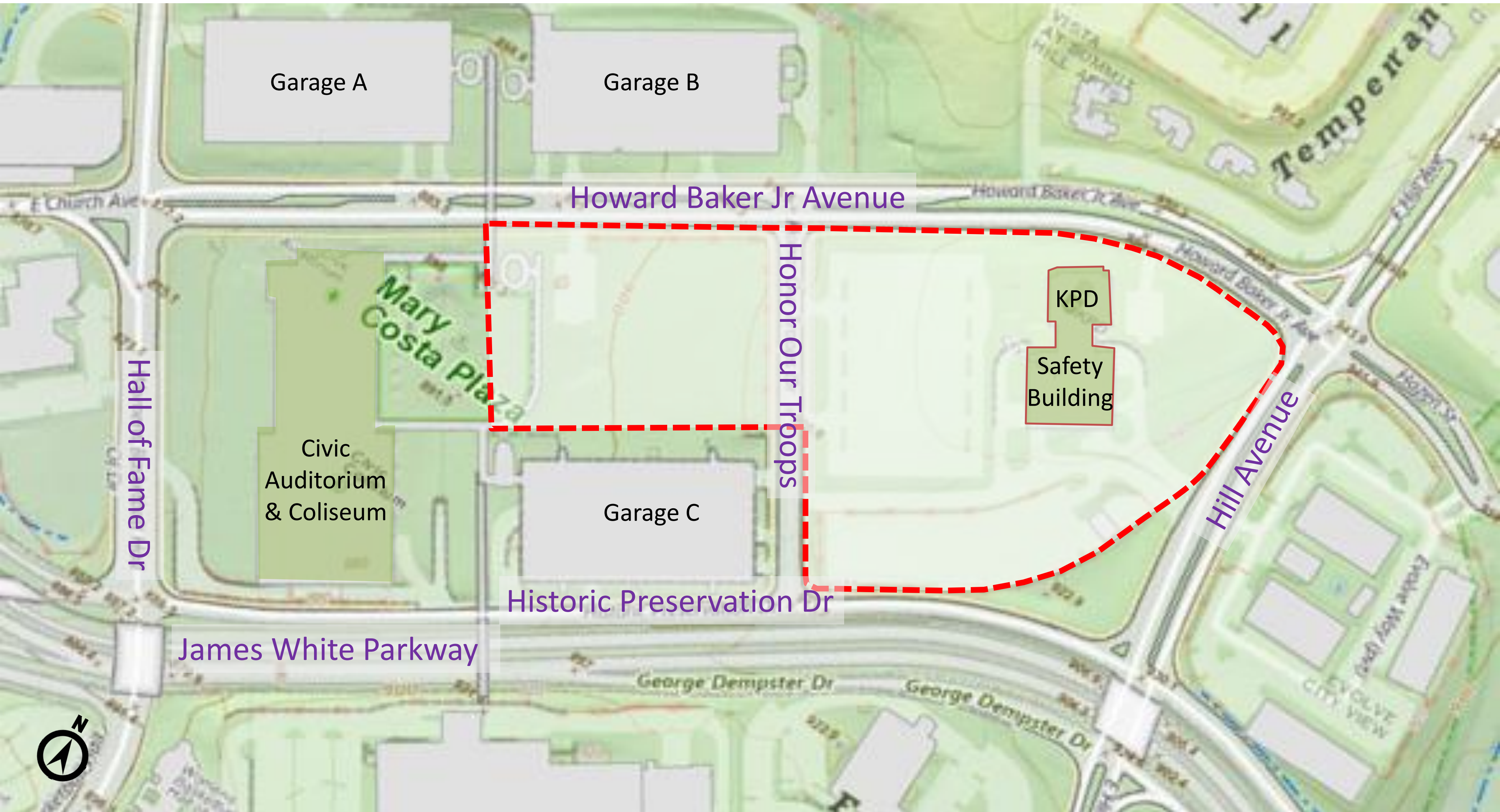
*Austin, TX*

*Avon, CO*



# Knoxville Science Museum

## *Site for the Project*





# Standard Elements

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*Program elements that will be included in the final design of the KSM:*

- 150,000 Gross SF
- Education Space
- Exhibit Space
  - Indoor / Outdoor
- Makerspaces
- Event and Meeting Space
- Auditorium
- Café / Food Service
- Dining Areas
  - Indoor / Outdoor
- Retail Shop
- Efficient Use of City Parking Garages

# Optional Elements

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*Additional conceptual elements that vary from plan to plan including:*

- Coordination to Mary Costa Plaza / Public Spaces
- Outdoor exhibit open to public and patrons
- Green / Sustainable Solutions
- Views of the City / Mountains
- Phased approach for Safety Building relocation

# Conceptual Design OPTION 1



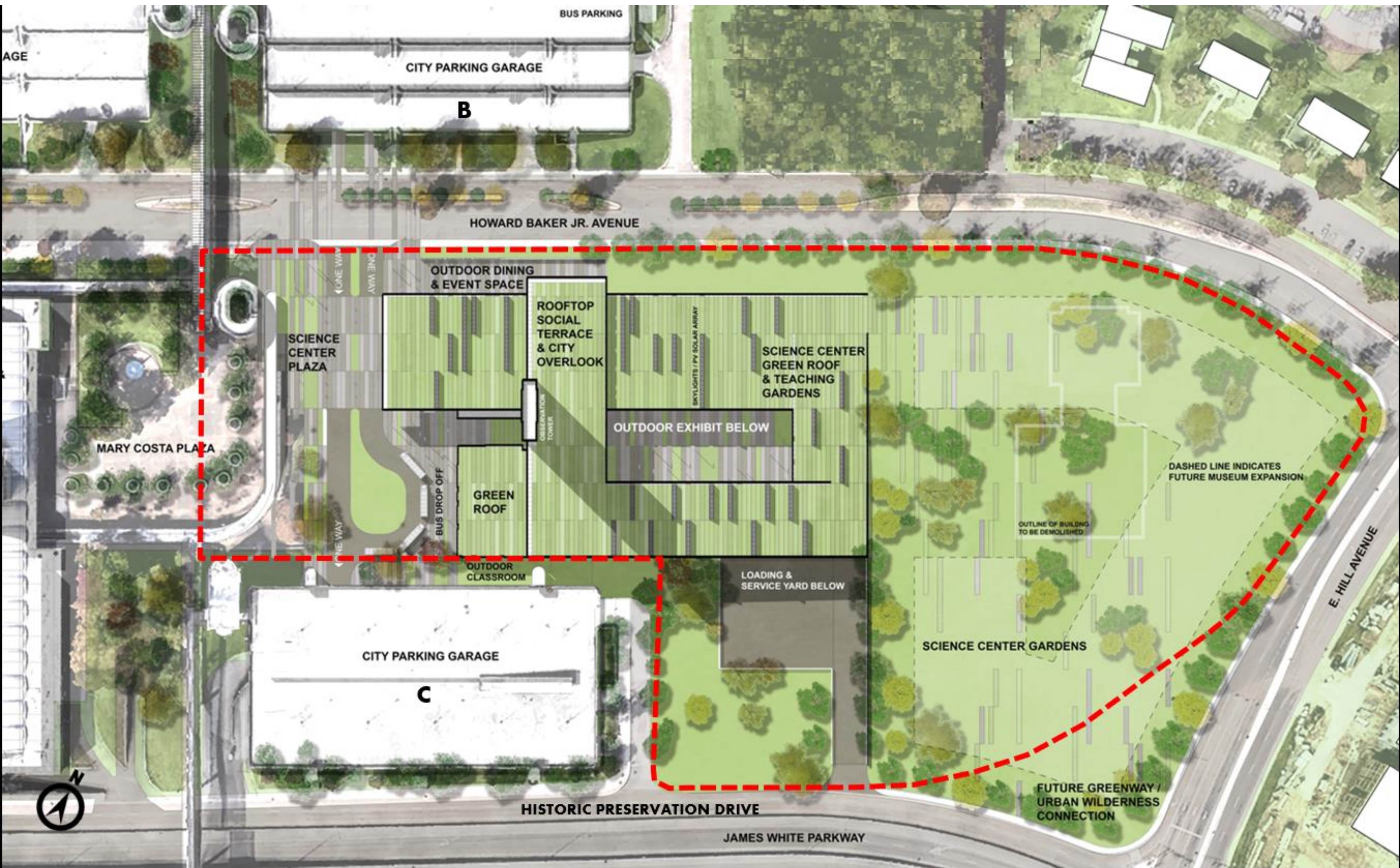


# Option 1 – Plaza Entrance



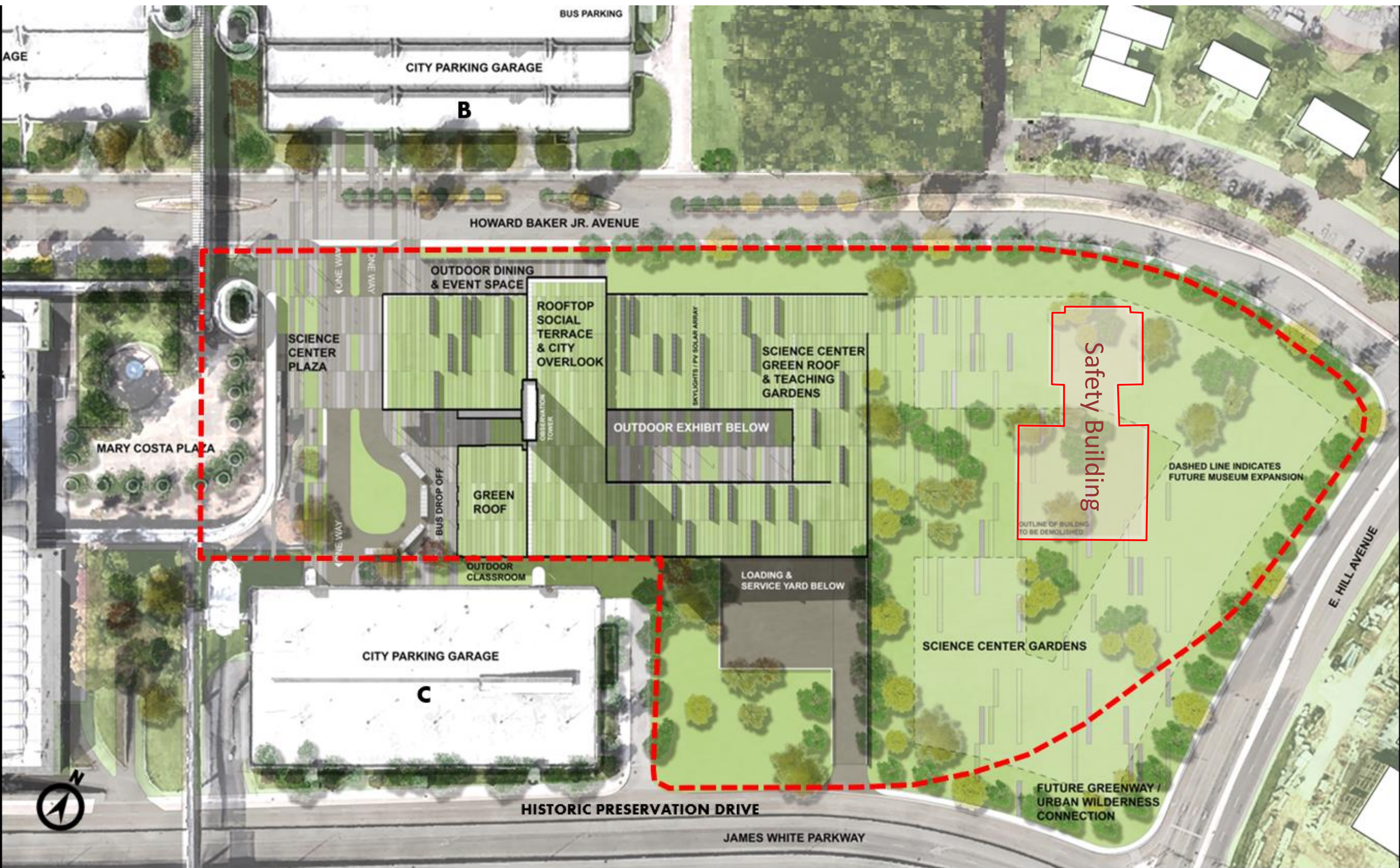


# Option 1 – Site Plan





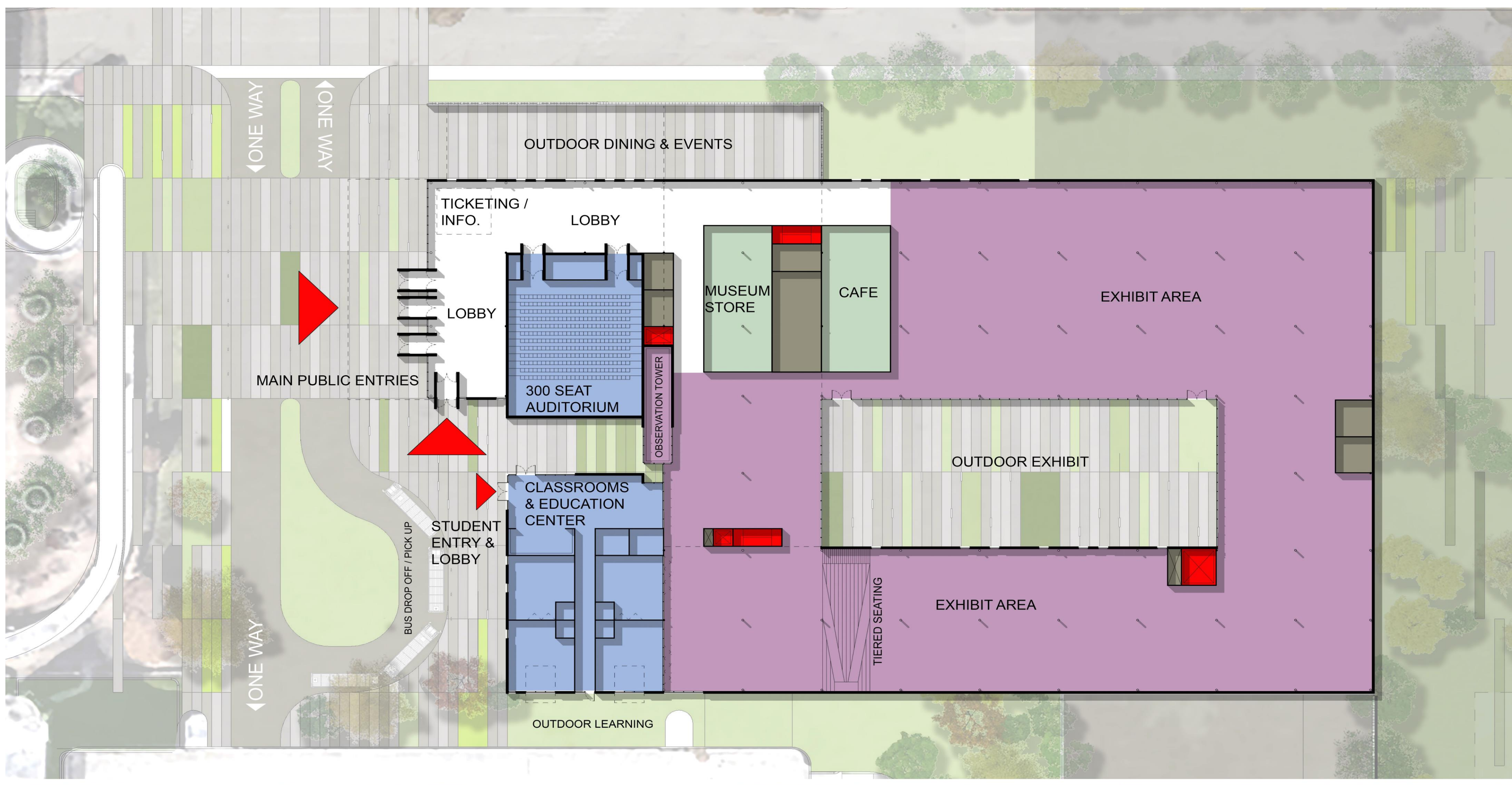
# Option 1 – Site Plan





# Option 1 – Floor Plan

## First Level





# Option 1 – Floor Plan

## Second Level





# Option 1 – City Skyline





# Option 1 – Rooftop Park





# Option 1 – Educational Entrance





# Option 1 – Courtyard Exhibits





# Option 1 – Atrium Lobby





# Option 1 – View From Street



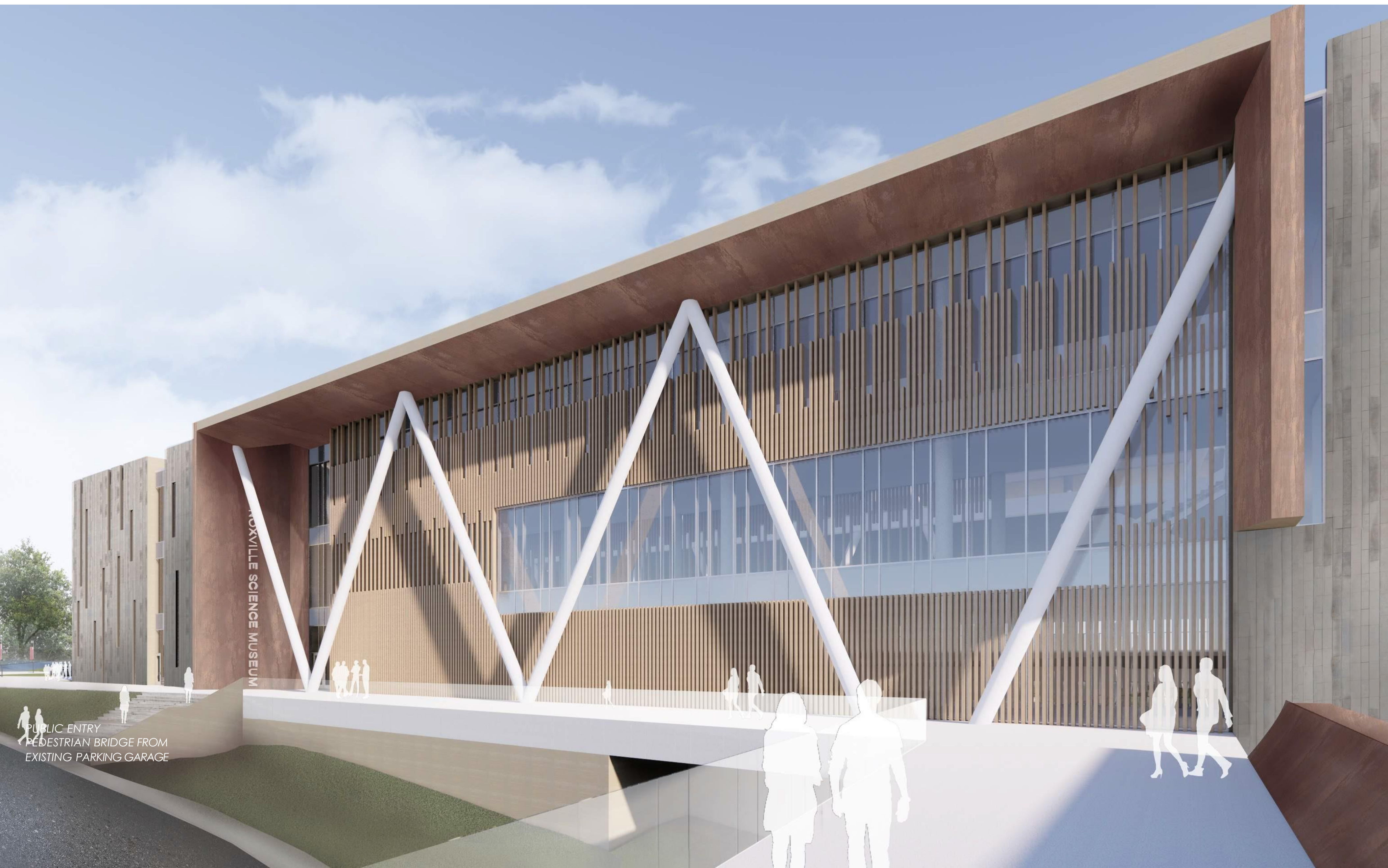


# Conceptual Design OPTION 2



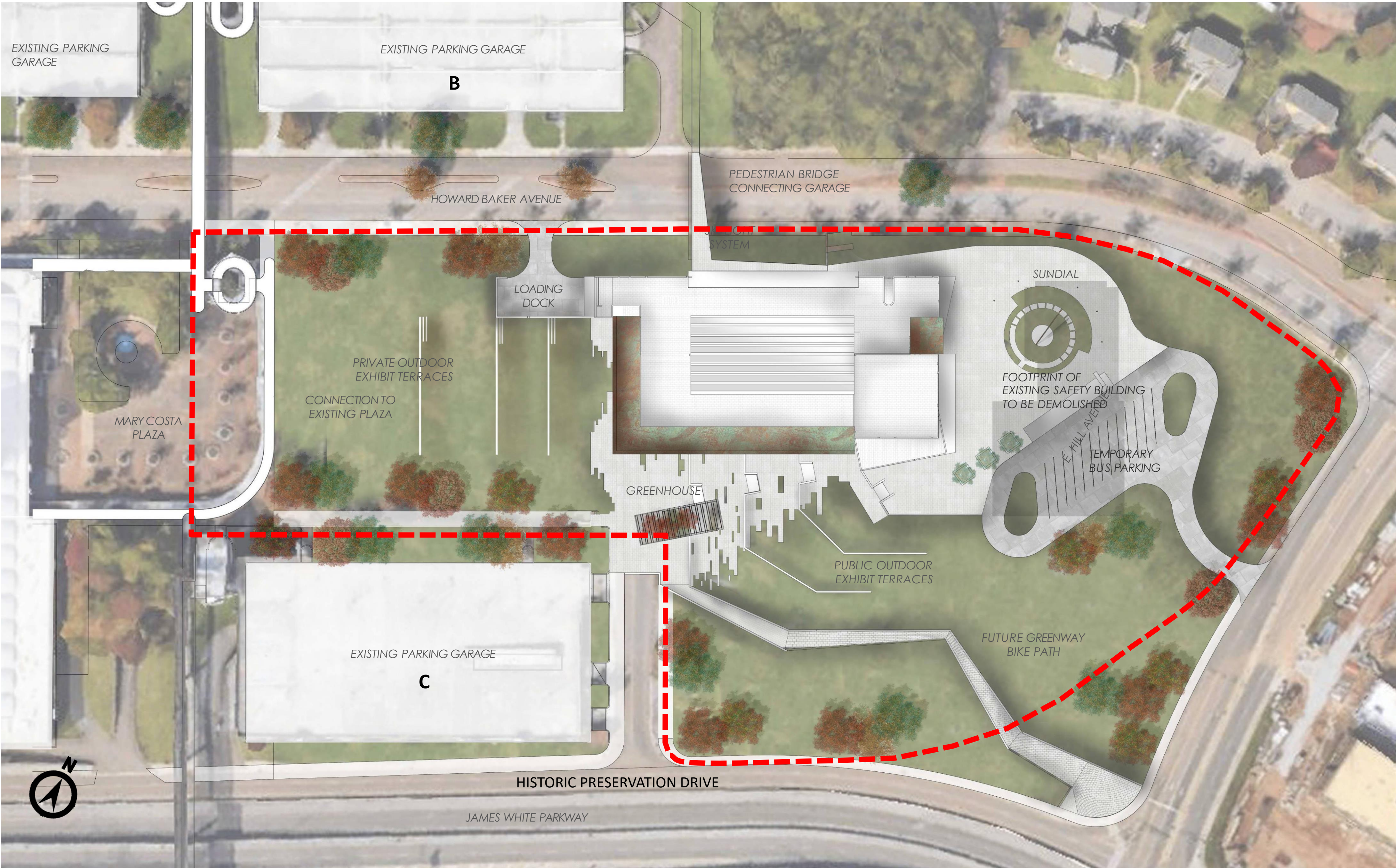


# Option 2 – Pedestrian Bridge Entrance



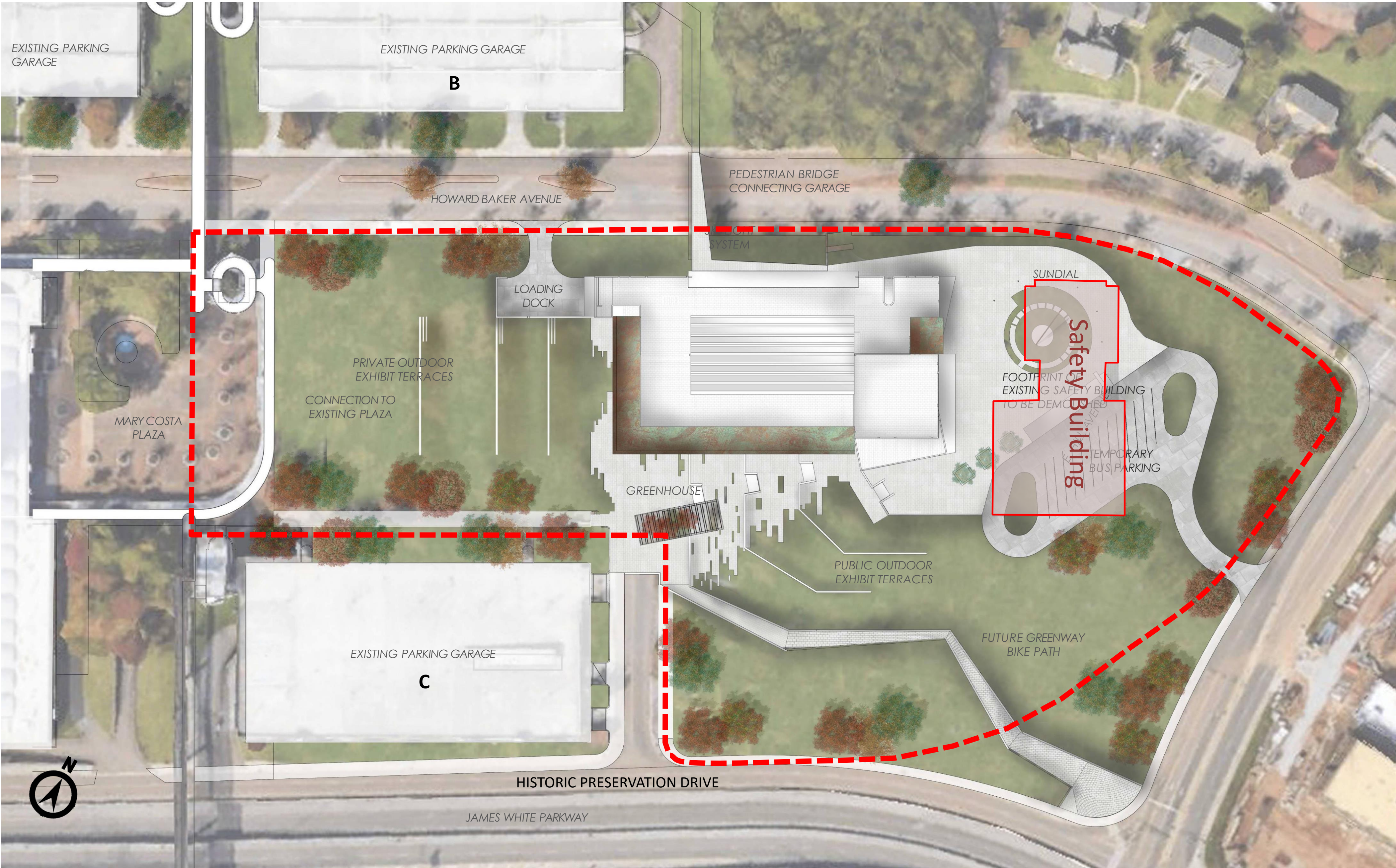


# Option 2 – Site Plan





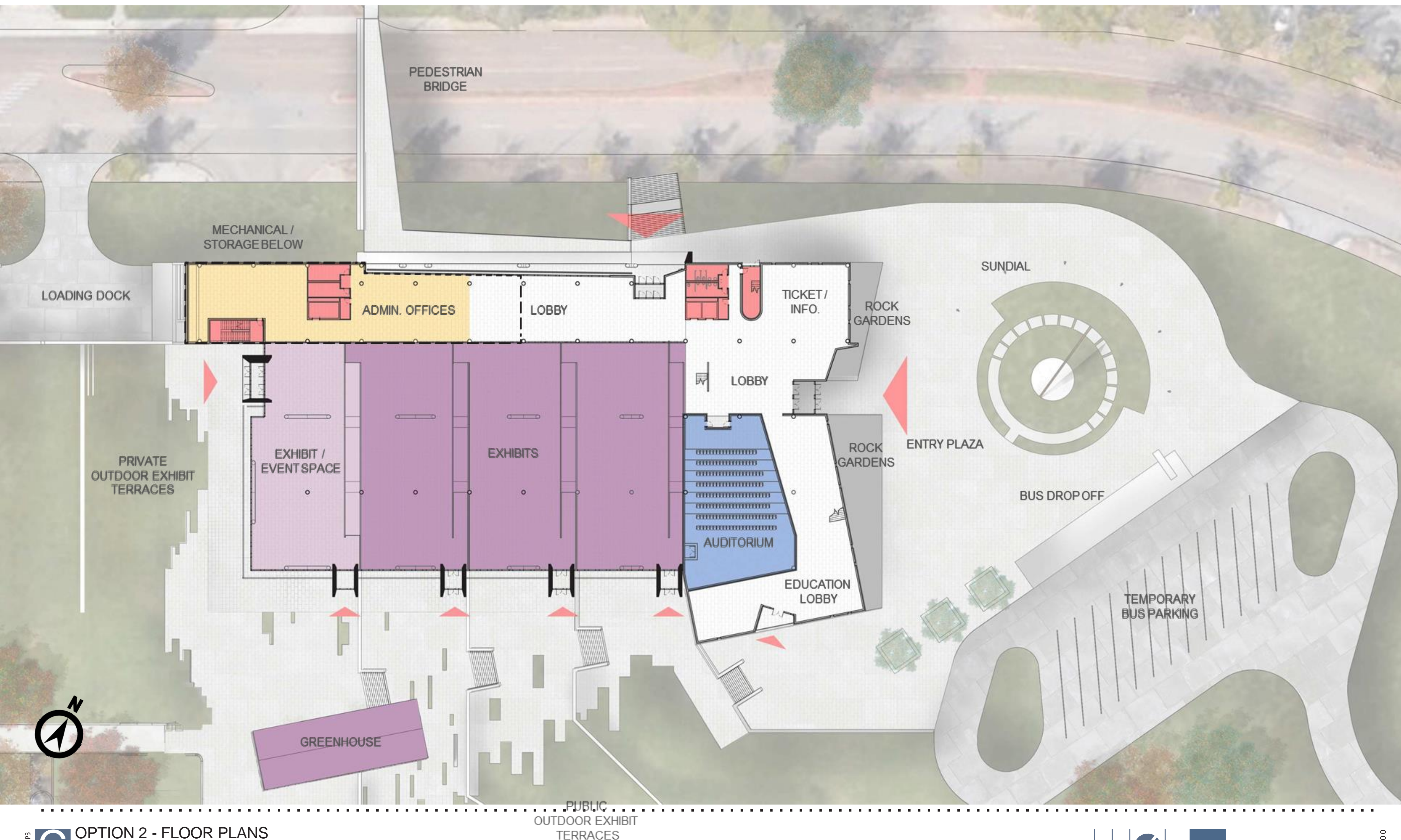
# Option 2 – Site Plan





# Option 2 – Floor Plan

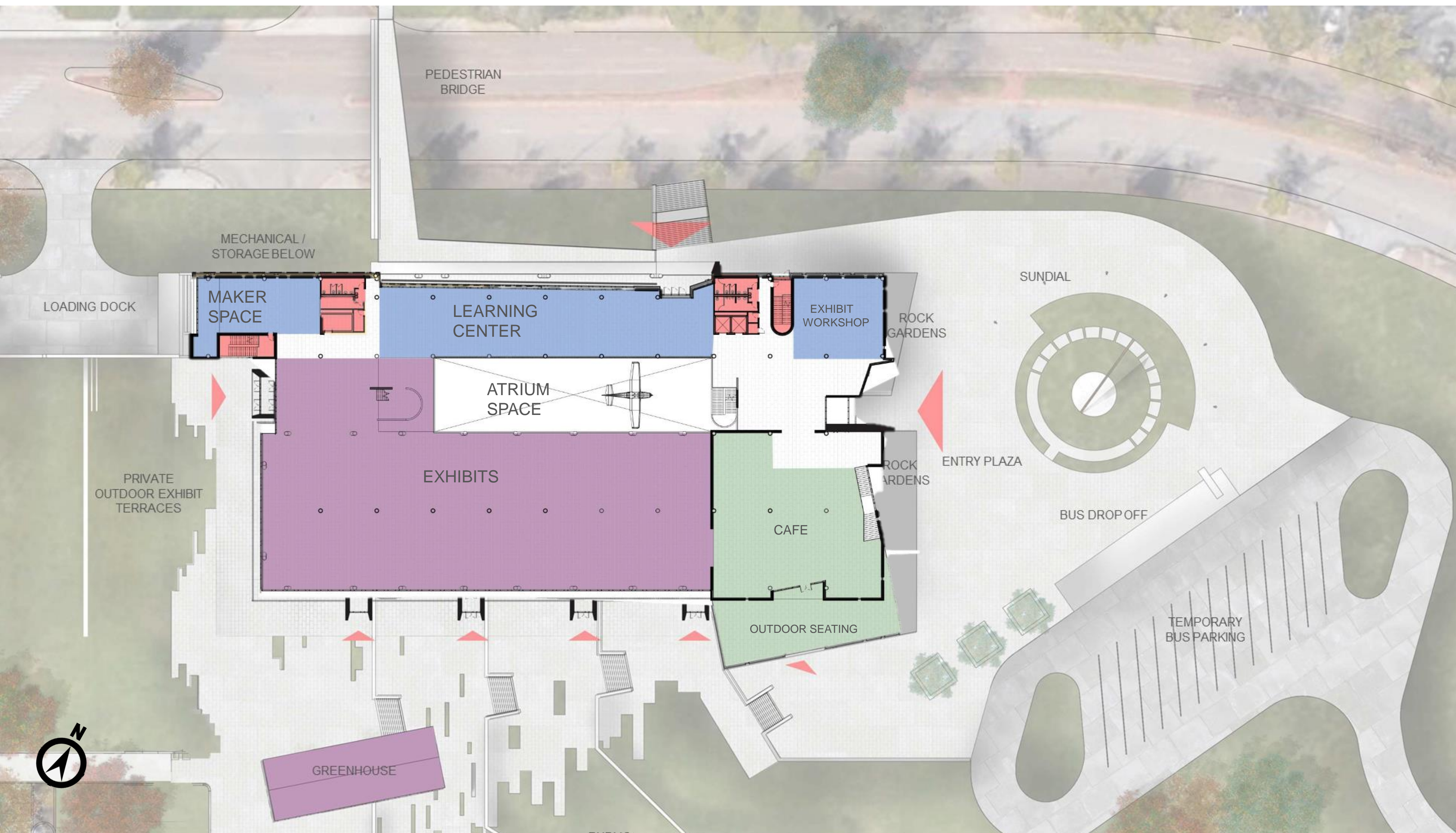
## First Level





# Option 2 – Floor Plan

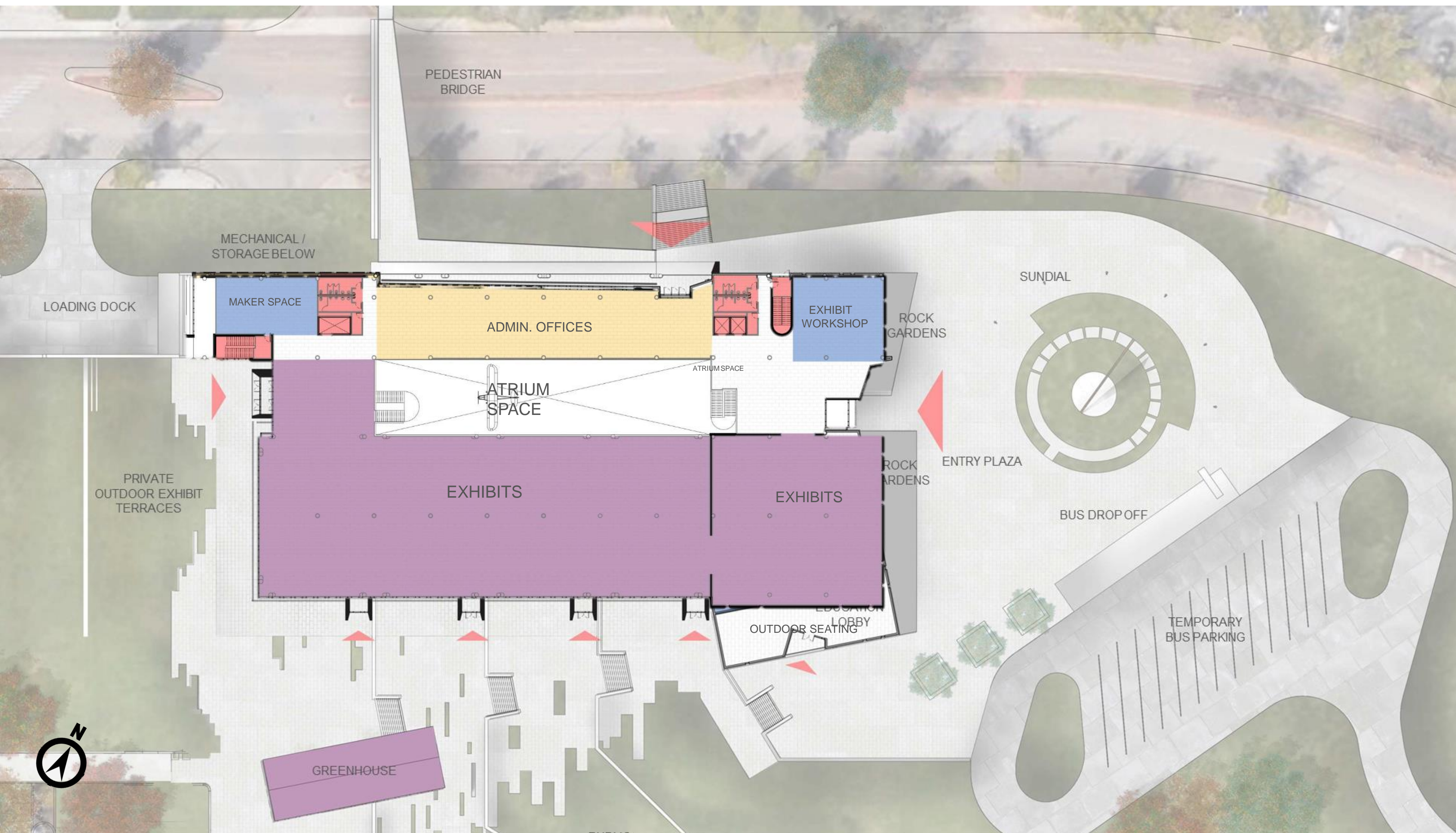
## Second Level





# Option 2 – Floor Plan

## Third Level





# Option 2 – Outdoor Terraces



VIEWING OVERLOOK  
TO DOWNTOWN

CONCEALED  
LOADING

PATINATED METAL  
ACCENTS

OUTDOOR  
CAFE SEATING

ACCESS TO INTERIOR  
GALLERIES + EXHIBITS

GREENHOUSE  
EXHIBIT

CONNECTION TO  
EXISTING WALKWAYS

2019 SEP 3



OPTION 2 - EVENING ON THE OUTDOOR TERRACES  
KNOXVILLE SCIENCE MUSEUM  
CLAYTON FAMILY FOUNDATION



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# Option 2 – Atrium Lobby





# Option 2 – Northeast Entrance





# Option 2 – Aerial City View





# Conceptual Design OPTION 3



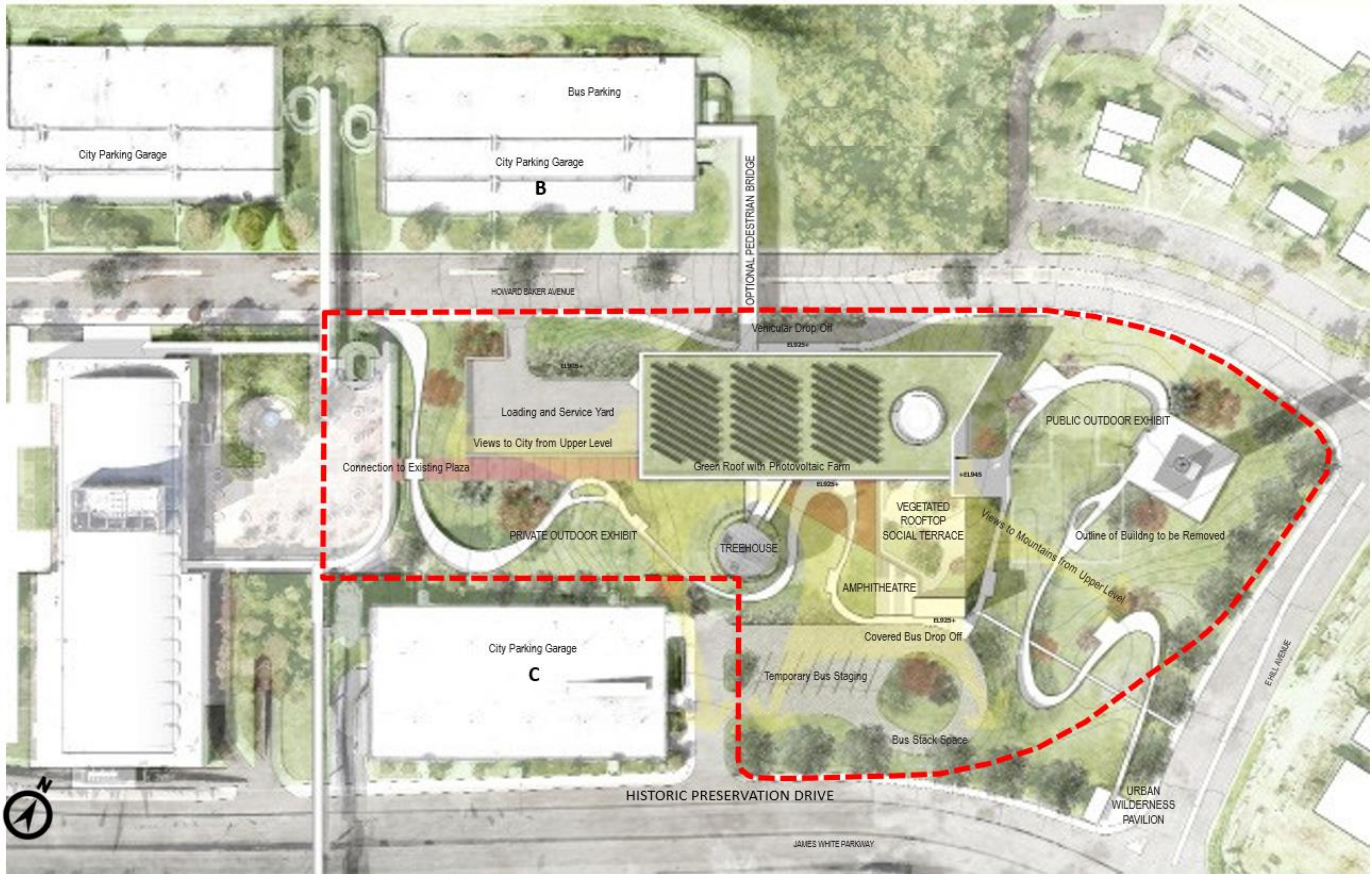


# Option 3 – Pedestrian Bridge Entrance



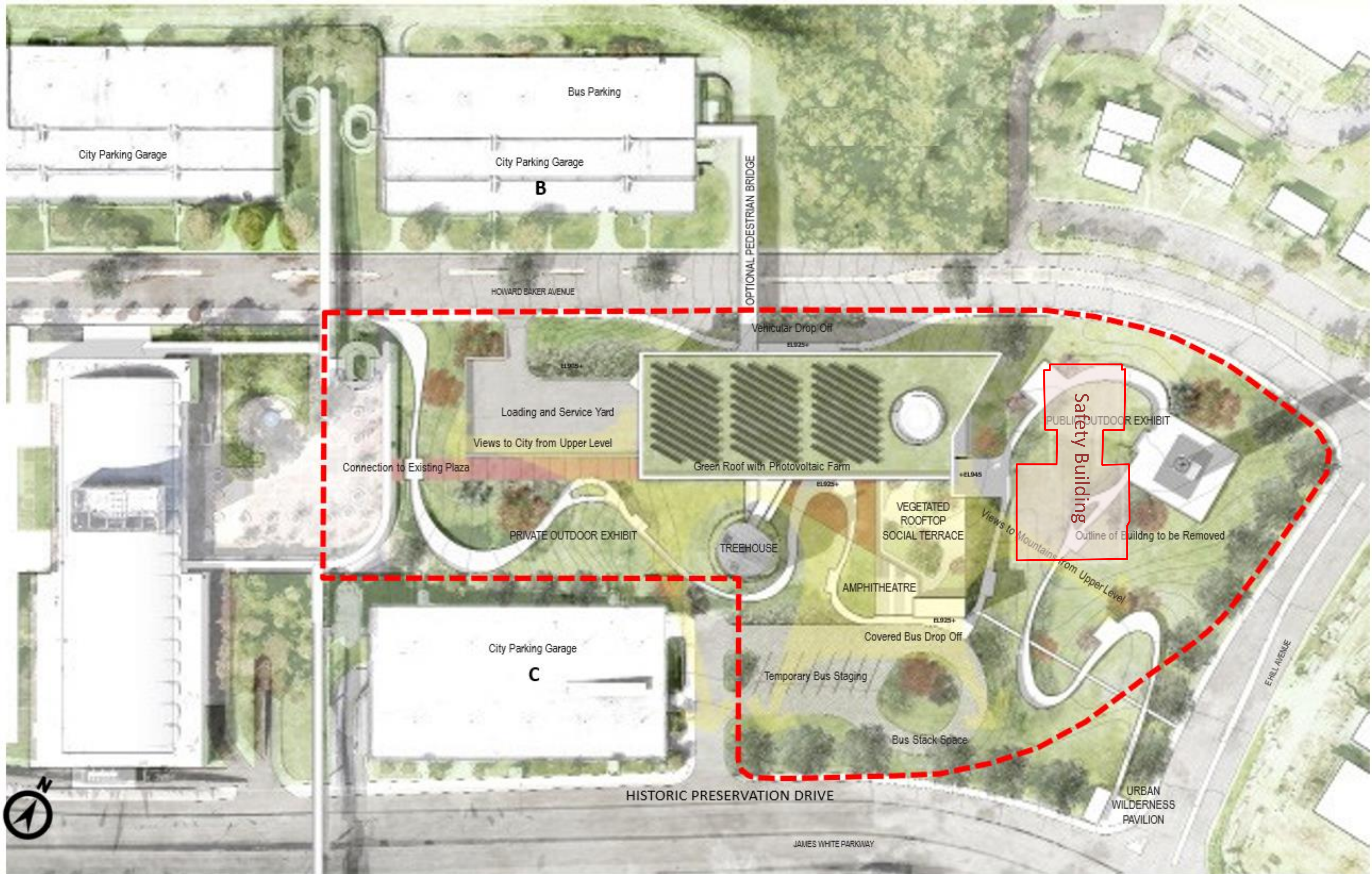


# Option 3 – Site Plan





# Option 3 – Site Plan





# Option 3 – Floor Plan

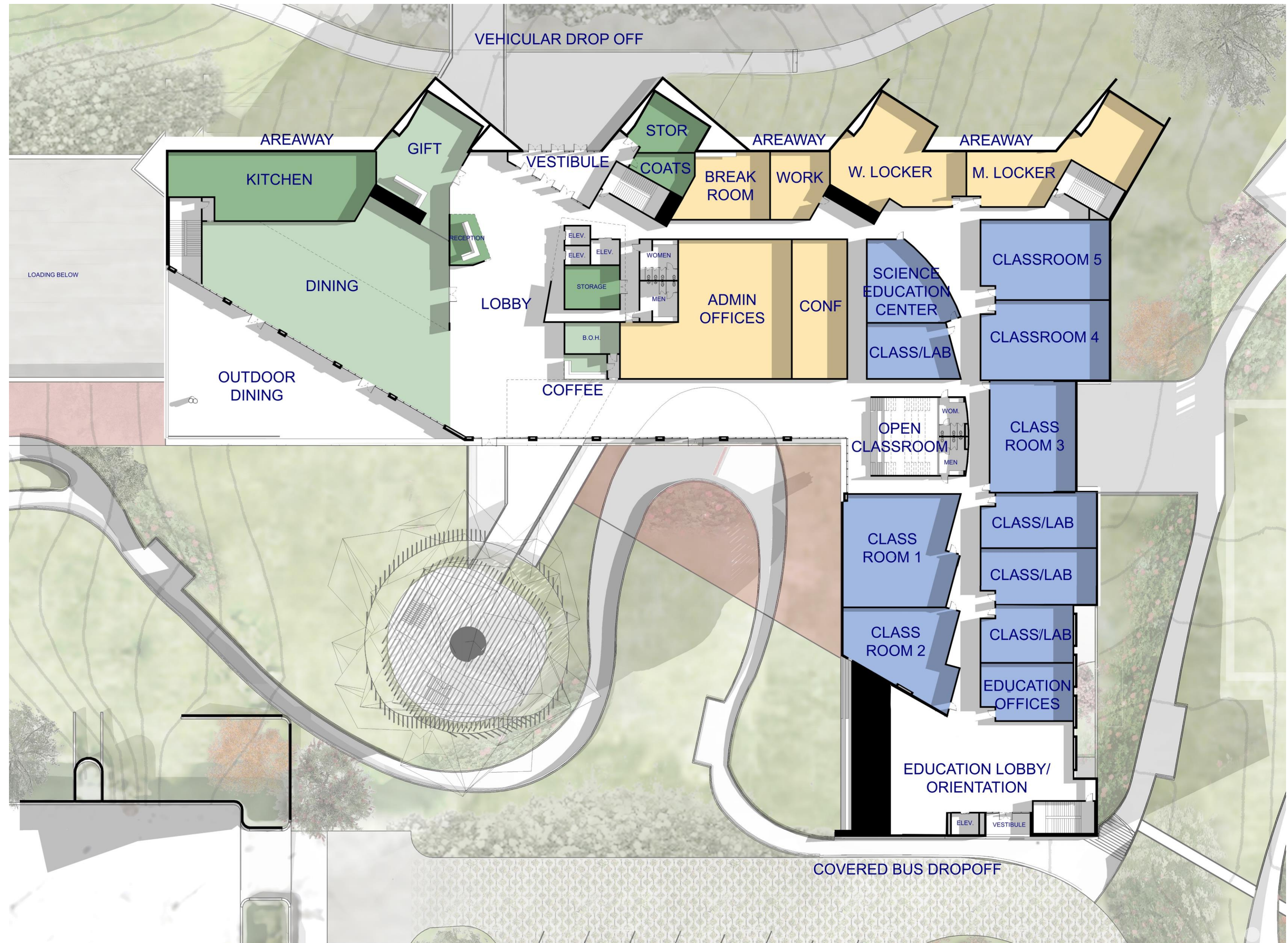
## Ground Level





# Option 3 – Floor Plan

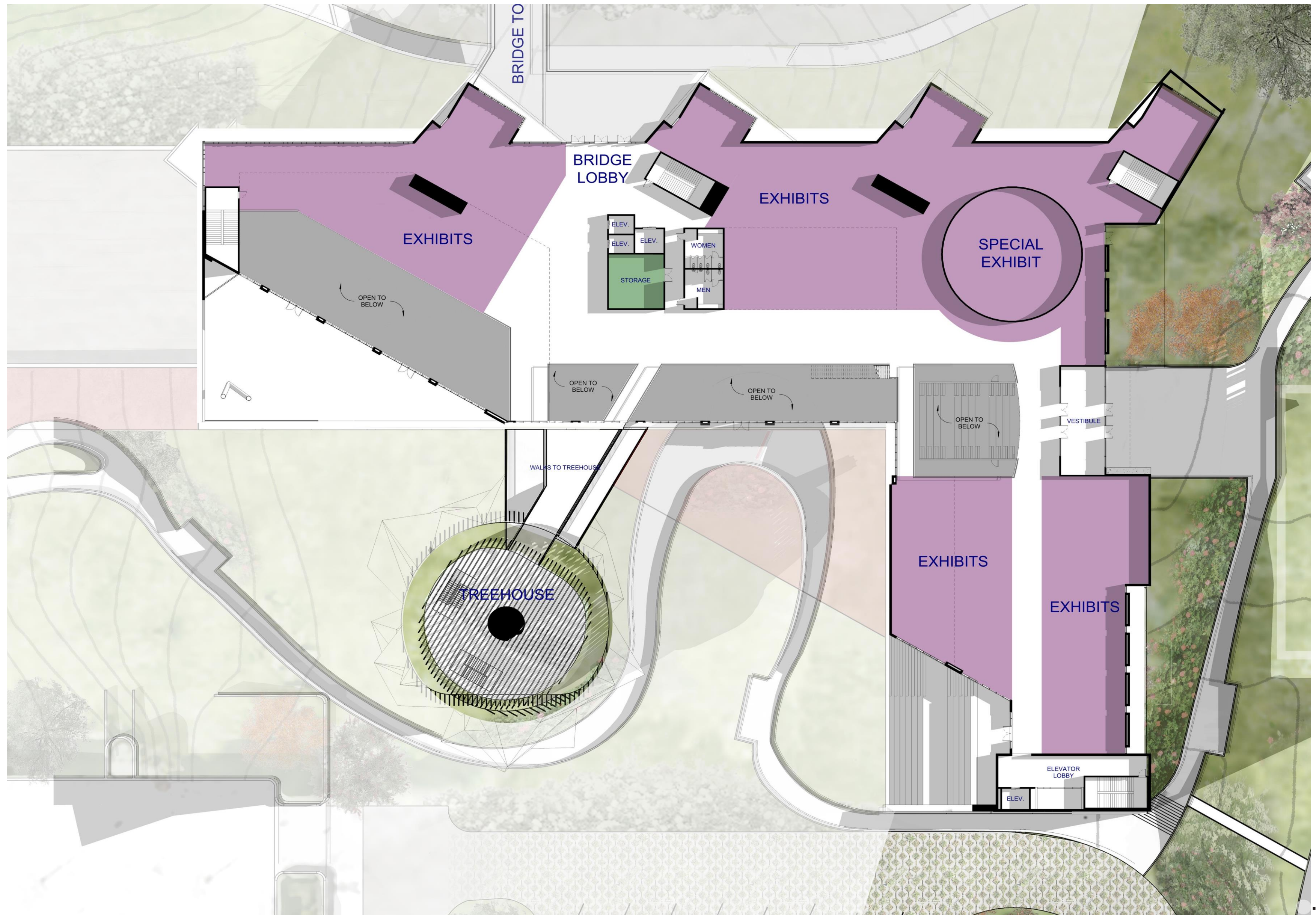
## First Level





# Option 3 – Floor Plan

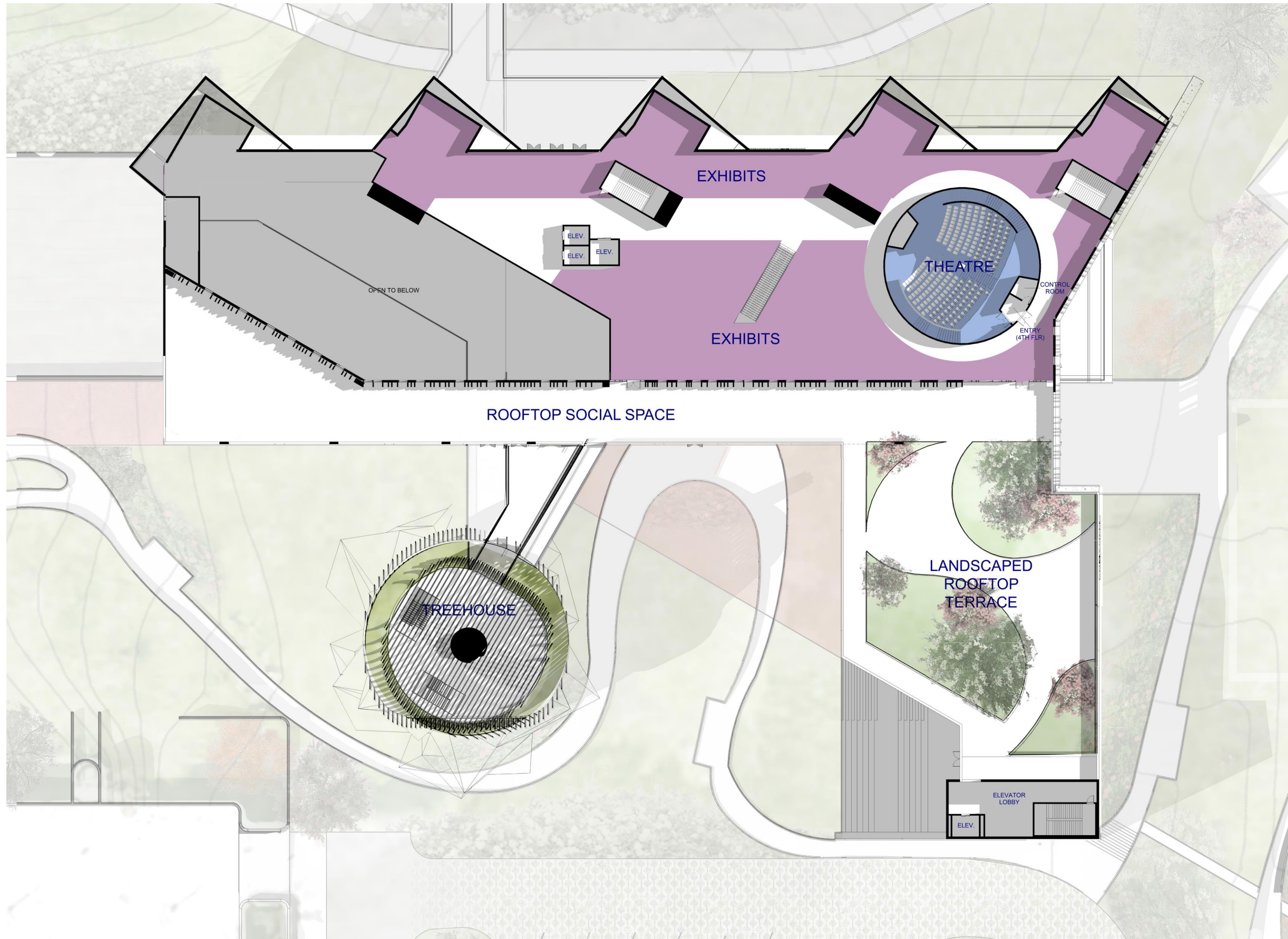
## Second & Third Levels





# Option 3 – Floor Plan

## Fourth Level





# Option 3 – Atrium Lobby





# Option 3 – View From Terrace





# Option 3 – Aerial Mountain View





# Option 3 – Aerial City View





# Option 3 – Aerial From South





Thank You